AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A blood processing system comprising
- a first container to receive blood for centrifugal processing into a first component and a second component comprising plasma,
 - a second container to receive the second component from the first container, and
- a filter to remove eellular species red blood cells and platelets from the second component, so that the second component is essentially free of red blood cells and platelets.
 - 2. (Original) A blood processing system according to claim 1 wherein the first component comprises red blood cells.
- 3. (Original) A blood processing system according to claim 1 further including a filter to remove leukocytes from the first component in a downstream flow direction from the first container.

4(Withdrawn). A blood processing system according to claim 1 further including a filter to remove leukocytes from blood in an upstream flow direction from the first container.

- 5. (Original) A blood processing system according to claim 1 further including a transfer container to receive the first component from the first container.
- 6. (Original) A blood processing system according to claim 5 further including a filter located between the first container and the transfer container to remove leukocytes from the first component.
- 7. (Original) A blood processing system according to claim 1
 wherein the filter to remove cellular species from the second component is located in an
 upstream flow direction from the second container.

8. (Original) A blood processing system according to claim 1 wherein the filter to remove cellular species from the second component is located between the first container and the second container.

9(Withdrawn). A blood processing system according to claim 1
wherein the filter to remove cellular species from the second component is located in a
downstream flow direction from the second container.

10. (Original) A blood processing system according to claim 1 further including a transfer container communicating with the second container in a downstream flow direction from the second container.

11(Withdrawn). A blood processing system according to claim 10 wherein the filter to remove cellular species from the second component is located between the second container and the transfer container.

- 12. (Original) A blood processing system according to claim 1 further including an auxiliary container holding an additive solution.
- 13. (Original) A blood processing system according to claim 12 wherein the auxiliary container communicates with the first container.

14(Withdrawn). A blood processing system according to claim 12 wherein the auxiliary container communicates with the second container.

15(Withdrawn). A blood processing system according to claim 14 wherein the filter to remove cellular species from the second component is located between the second container and the auxiliary container.

16. (Original) A blood processing system according to claim 12 wherein the auxiliary container communicates with both the first and second containers.

- 17. (Original) A blood processing system according to claim 16 wherein the filter to remove cellular species from the second component is located between the second container and the auxiliary container.
- 18. (Original) A blood processing method comprising processing whole blood using a system as defined in claim 1.
- 19. (Newly Added) A blood processing system according to claim 1, the filter also removing leukocytes from the second component.